

S.W. of Lincoln, Neb.
1890

MEMORIAL



Burley Lot 80 ft N + S
RR right of way 100,
Buttons 2nd and 3rd

The level place on RR
is about 90 ft long

Mr. Elliott wants
place

Samuel Smith
Easton
Bellevue, Pa.

By Samuel Smith Pa.

Mauch or M. S. S. S. S.

clti

Co zick tu před
hadmi bylo.

May. 3rd 1890

(Sw. of Lincoln, Neb.)

Went out to Bigelows Lake.

Saw many Teal (Blue-w.), Mallards,
Pin-tails, Widgeon, & Scaups.

Shot 2 (male & female)

Limosa's. Saw several

Recurvirostras, Zonotrichia, etc.

Shot an English Snipe

Found Crow-black-bird nests
on willows in water.

Set no. 1 - (5 eggs) was taken

from a nest about 3 ft. from

water. The nest was of coarse

grasses, lined with finer grasses.

The second was at about same

height, & in same clump of

willows, over water. Contained

4 fresh eggs - Set no 2.

Set no. 1 had very small embryos.

Found a Crow's nest with

helpless young, less than week

old. This was in cotton-wood,

quite high, & was built of

Ticks in usual way.
Near this, on a slender elm
branch, a pair of Shrike-poles,
(*Ardea virescens*) had just
completed the stick part of
their nest.

also collected *Anemone decapetala*
(rather late), *Corydalis*,
Troxenon, (Wild Celery!),
Draba, Choke-cherry, the yellow,
puccoon-like flower, *Viola*
delphinifolia

Also saw Baptisia.

May 10th

Blue-winged Teal were paired.

no 3 - *Sturnella neglecta*

Nest on ground under tuft of
grass - on prairie -

The nest was of fine culms &
blades & partly roo-fed.
contained 3 fresh eggs.

no. 4 - A turtle-doves nest on
low tree - usual dome
structure - Two nearly

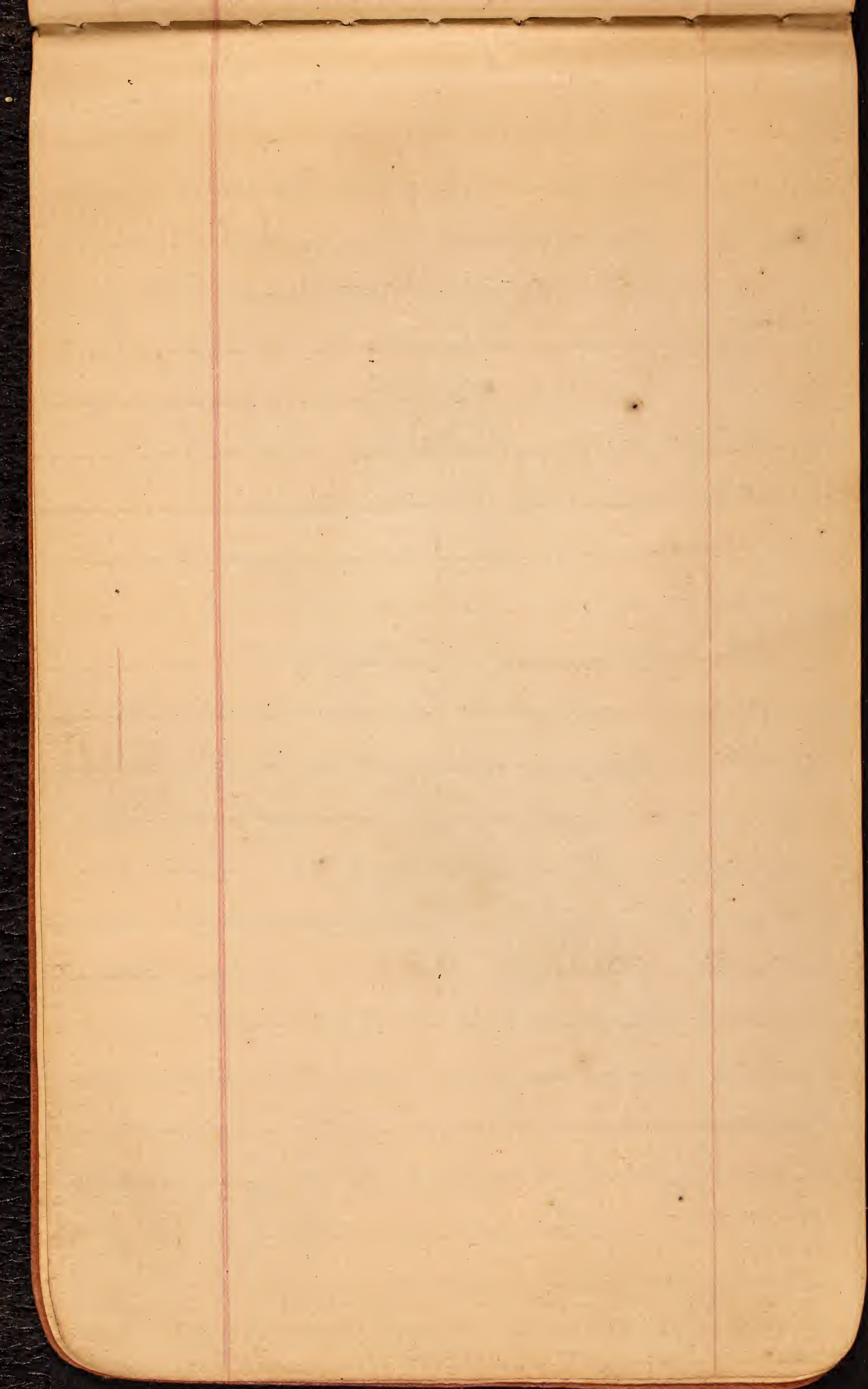
fresh eggs - small embryos.

The Red-winged Black B.

had a nest near Bigelow's Lake
with 3 eggs - very large
embryos. Couldn't save 'em.

Shot Scaup, Blue & Green Teal,
Chaukibasins, Red-head.

Saw many *Zonotrichia querula*, *Ereunetes*
penilla, Red-breasted Siskin, *Sturnella*
arctica & *Lincoln*, *Zonotrichia rufi-*
collis, etc.



Campanula americana

Aug. 30 - 1890

Woods, river-bottoms, banks, etc.

Plant - 2°-4° - annual.

Stem - Erect, exogen, sparingly hairy,
angled (ridged), green.

Leaves - alt, pinnately nerved,
obovate, lower mostly chitulate, tapering
toward petiole, no stipules acuminate,
ovate sparingly hairy above &
below (below on veins)

Root - ~~woody~~ ^{simple} - primary, branched.

Inflores - short, 4-6 flowered, axillary
racemes, the terminal ones forming
a compound raceme. Indeterminate.

Fls. regular -

Calyx - Monosperm, lobes five = to cups, narrow
(linear) acute sessile at base, spreading
green, smooth.

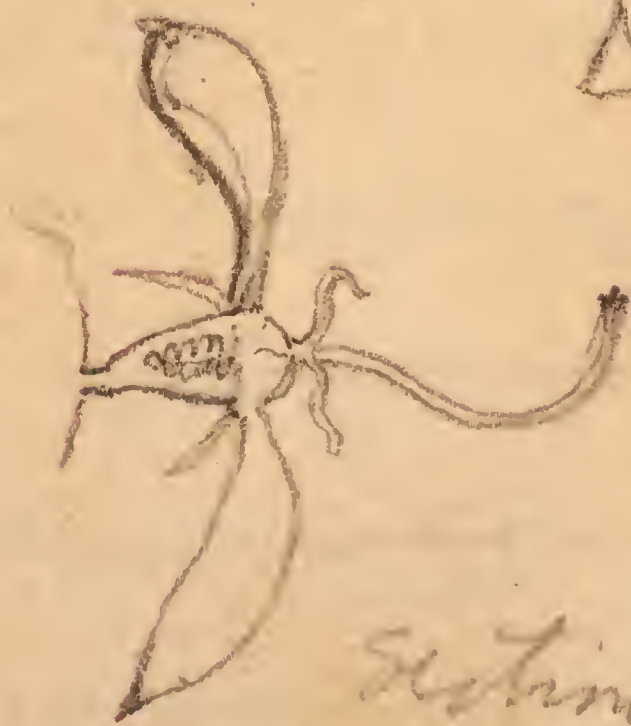
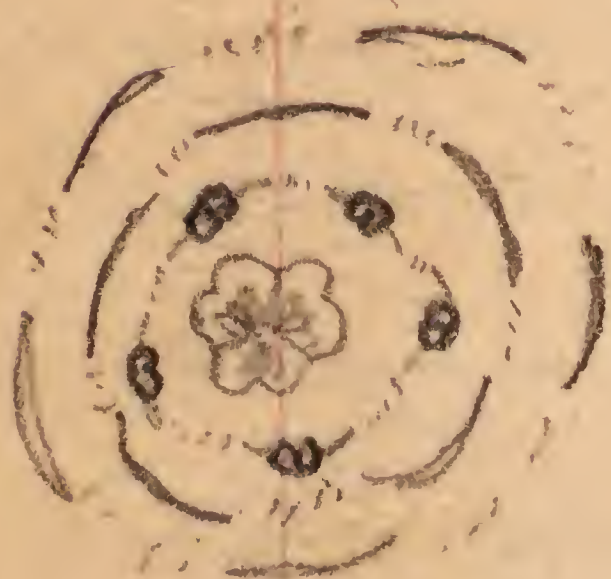
Corolla, ~~monopetal~~ 5-parted, lobes ovate, mucronate,
blue (center white) wheel-shaped, tube very short
inserted on calyx, white spot also
in each angle between petals.

Filaments slightly angled, woolly.

Stamens - 5 inserted on calyx, filaments
 Δ broad flat & angled, anther 2-
celled, narrow linear

Pistil - ovary superior, 3-celled
axile placentae, ovules numerous
style long, curved, blue, stigma
3 (or 1 3-lobed) small,
style woolly in bud.

corolla smooth, but externally
hairy in the bud near the tip.
plaited the bud.



} stamen
x 1 1/2

section of flower
not size

Stamens open before stigma,

Ragweed

Ambrosia trifida L

Great Ragweed.

Aug. 30¹⁸⁹⁰ River bottom, etc.

Plant - 4-8° - Annual.

Stem - erect, hairy, cylindrical, with small grooves.

Root - primary, with many fine branches coming from axils of leaves.


Leaves - opposite, with long, winged petioles, sparingly hairy above & below not pet. leaves 3-lobed, each lobe ovate, ^{& often cut or lobed} acuminate, serrate, pinnate. Petioles shorter somewhat than leaves.

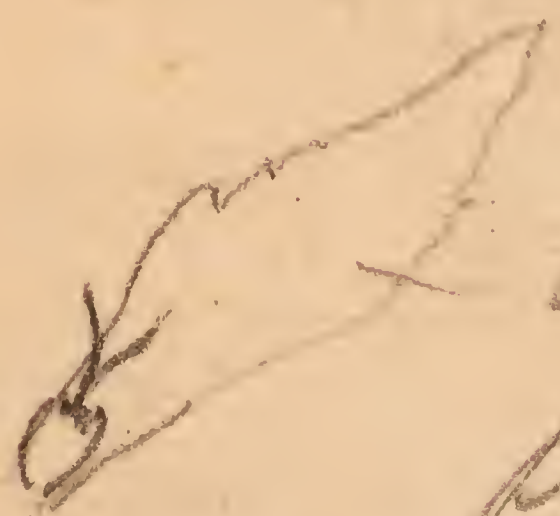
Inflo. Fls compound, stam. & pistillate heads separate, fertile small, 3 or 4 flowered, staminate in panicle close spikes. involucre of fertile flower of 5-10 small, broad scales, united into a cup which holds 10-15 staminate flowers. ^{3 or 4} scales have dark ~~to yellow~~ ^{to yellow}.

~~Dark~~ mid-ribs. Fertile involucre top shaped, with minute projections on lobes which enclose a single pistil with 2 stigmas protruding. Each of these is in axil of lower lobe.

bract & there are 3 or 4 of these
together.

8 Nerves 5 - somewhat united, sessile
flowers.

 Staminal flowers.



bract

Pistillate flower

slightly magnified.

Stigma 2 linear

All but anthers are
green.

Eupatorium ageratoides

White Snake Root

Plant - 1-4 ft. perennial.

Root - from short, oblique
rootstock.

Stem - erect, with branches, smooth
— obscurely grooved, green.

Leaves - opposite, long petioled, 2-4
stipes, few hairs, veins purple
or purplish; ovate, coarsely
toothed; acute.

Pinnate, 3-ribbed.

Inflores - fls. compound heads
in compound, ^{axillary} corymbs. { 15-20
flowered
heads

Fls. white, 5 cals of involucre in
single row, green, lance linear, appressed
(invol. cylindrical), receptacle smooth.

Pappus of white slender,
bristles in one row.

Corolla white, regular, 5 lobed
spreading, funnelform stigmas
exserted 2-

stamens & styles white.



one head x 1.

Rudbeckia triloba, L.

Aug. 30. 1890.

Plant 1-4'. Perennial.

Root - Mult. primary.

Stem - branching, cylindrical,
obscurely ridged, hairy, ex-
green.

Leaves - sparingly hairy (hairs)
all over, lower pinnatifid,
upper ovate, all more or less
irregularly serrate, (lower 3-parted)
tapering to a short winged petiole.
Pinnate.

Inflor. - Fls. in corymbose
heads. Rays yellow, sterile.
(pappus) in acorns.

Calyx - Pappus a mere
crown.

Corolla - Disc tubular
dark purp-brown.

Many-flowered. Rays sterile,
5-8, yellow, notched.

involucre
~~Receptacle~~ / 2 or more rows
 of leaf-like scales - reflexed
 Receptacle quite common,
 with awned, chaff scales -
 to achene. Achenes 4-
 angled.

Stigmas 2 - purplish brown



Yellow rays



purplish brown
 green
 awned scale

X 2 1/2

Gaura biennis, L.

Aug. 30 - 1890

Plant - 2° - 6° -

Stem - erect, branching, ex. green
herb. (hard) cylindrical, ^{soft} hairy

Root - oblique simple primary.

Leaves - simple, alternate
sessile, lance, linear above,
tapering to base - entire acute
soft hairy (especially beneath)
pinnate. -

Inflorescence - slender, compound racemes.

Calyx - monosperm - 5 lobed, lobes linear
whitish-greenish, hairy outside,

Corolla - 4 white "crumpled", ovate (or lance-
ovate) white petals tapering to base
on calyx -

Stamen - 8 on calyx - filaments white
slender, anthers yellow, 2 celled. -

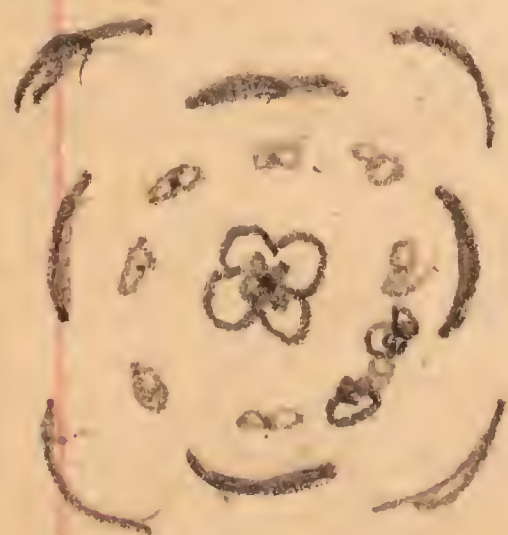
Pistil - ovary inferior, style
white, slender, stigmas 4,
stamens & pistils exserted.
ovules several, long - sashed

Free central placentae
Fls sessile (compound)
shrub

Flowers white to pinkish
Petals turned to upper
side, clawed,

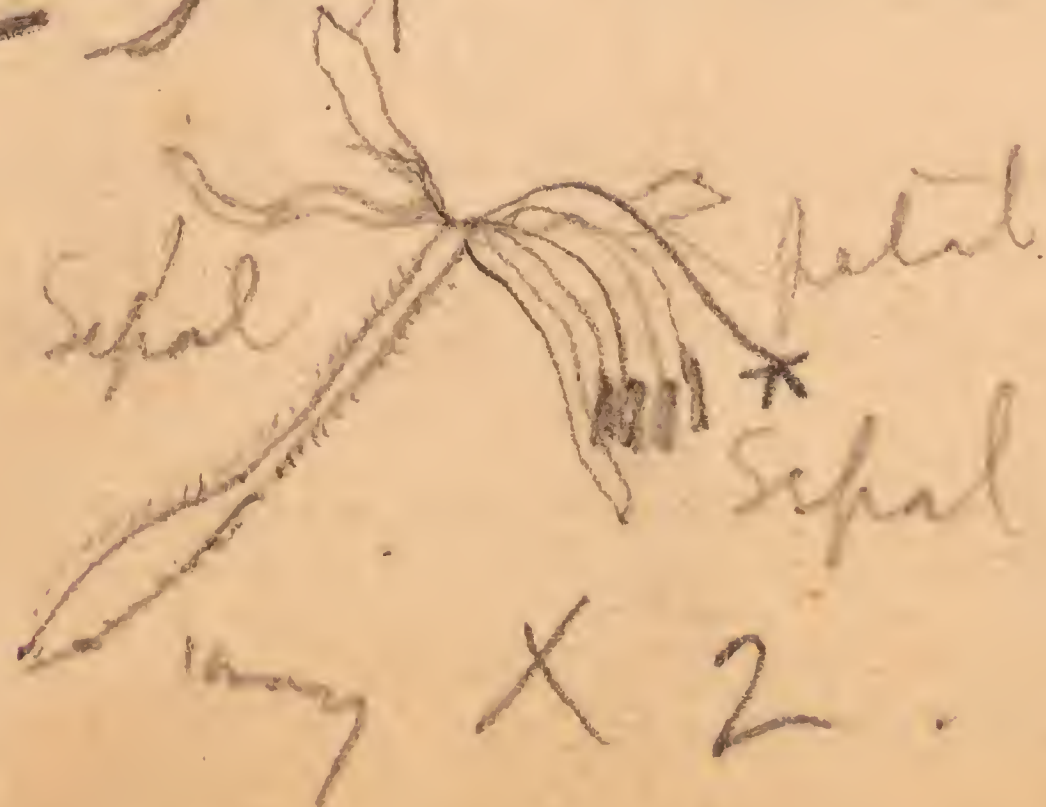
A scale-like appendage at base of
each filament
Recept. 4 lobed, surrounded by
border.

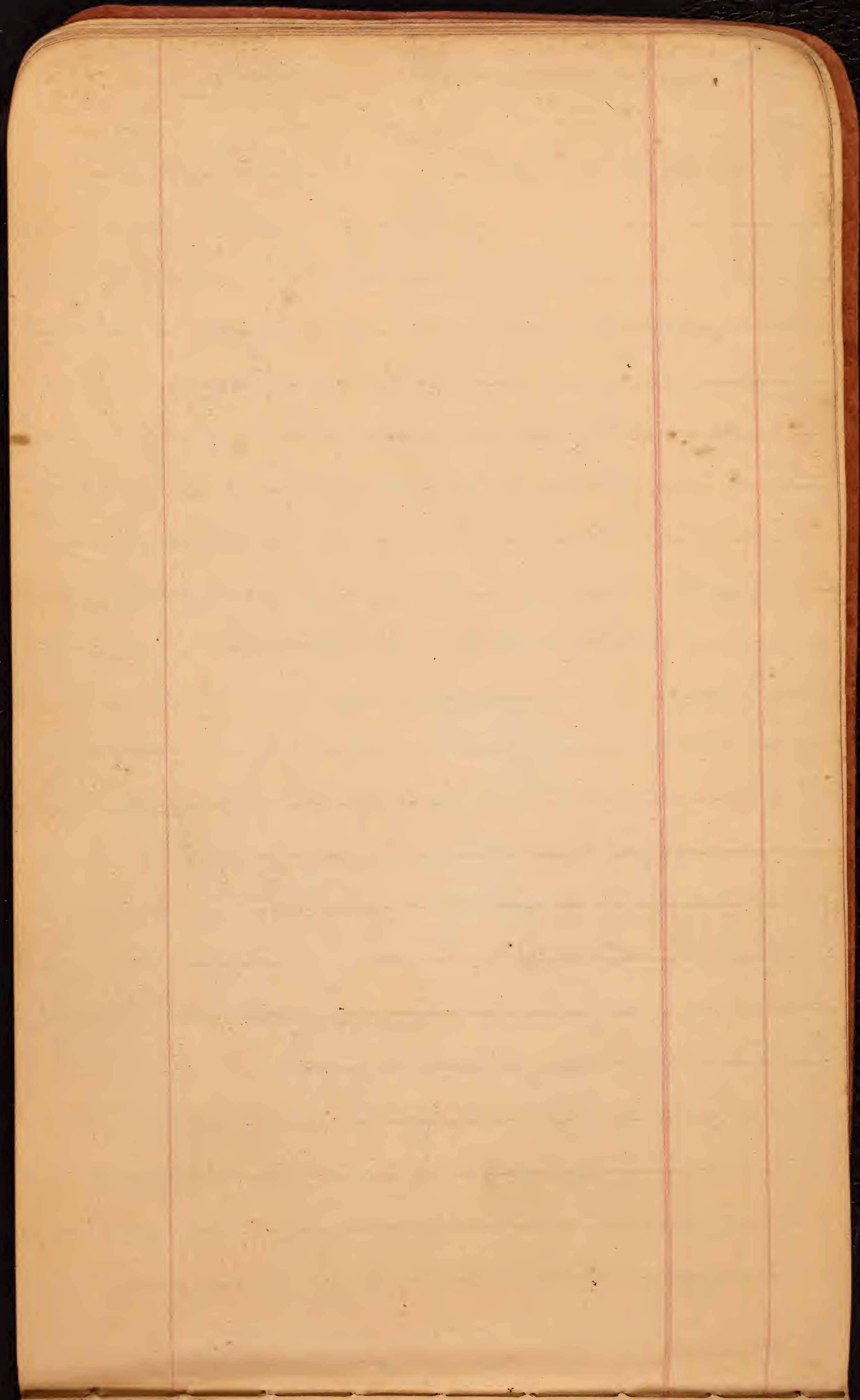
Frut ribbed



petal

1 ovule





abutilon
arvense



ovary about 14-cells.

style & stigma same,

adhering at base. +

fixed to monophet, 5-parted
corolla.

column of stamens yellow
(corolla too) & including
pistil. stamens yellow, many

1-celled

stigma capitata?

ovaries inf.

calyx 5-lobed, down,
inflated, lobes ovate.

leaves, alt, long petioles, ^{stip}
palmate, cordate, acum.

obscurely dentate,

stem erect branching, green

whole thing down - strong
scented

Root - tap -

lobes of corolla
imbricate



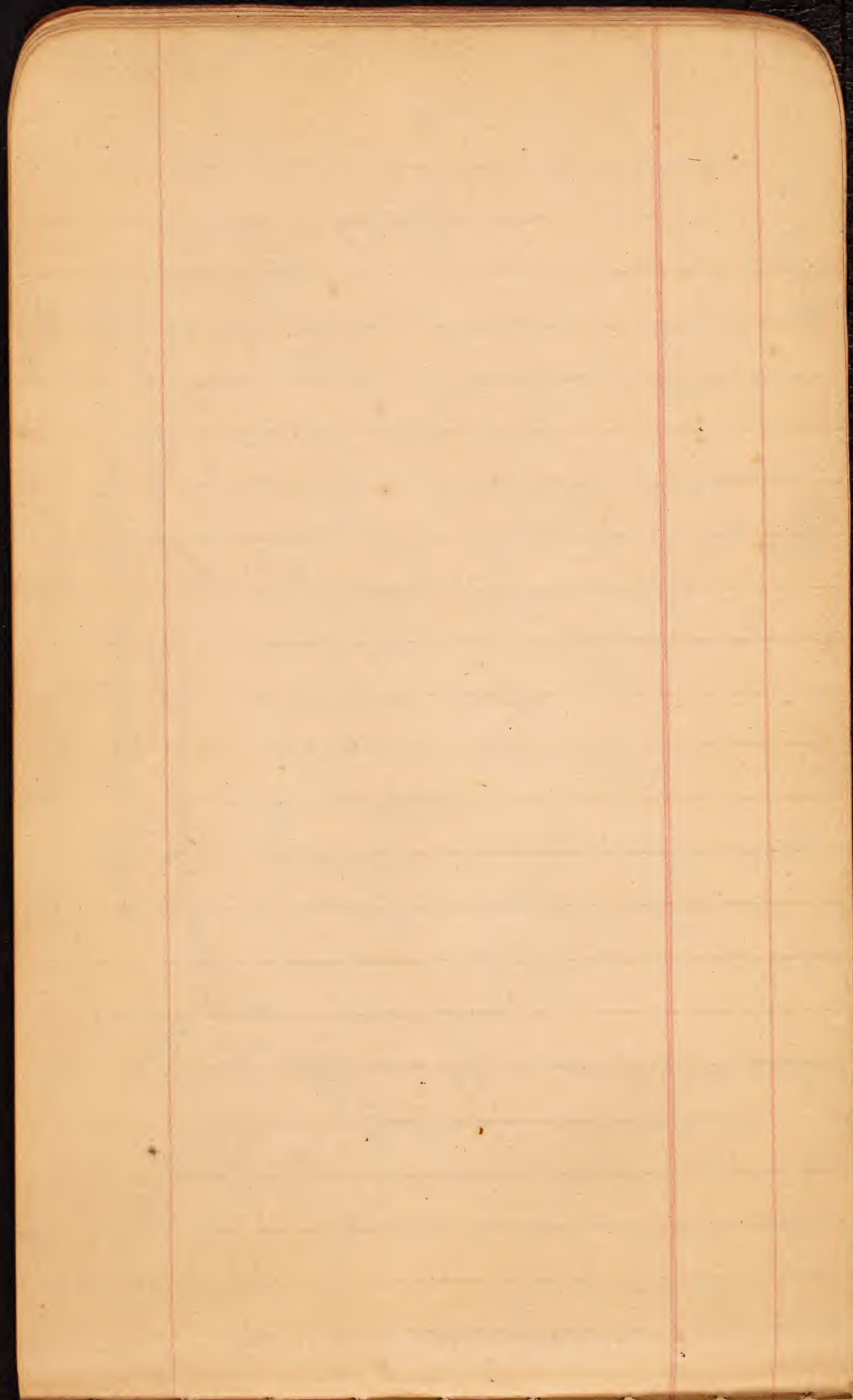
x 1 1/2

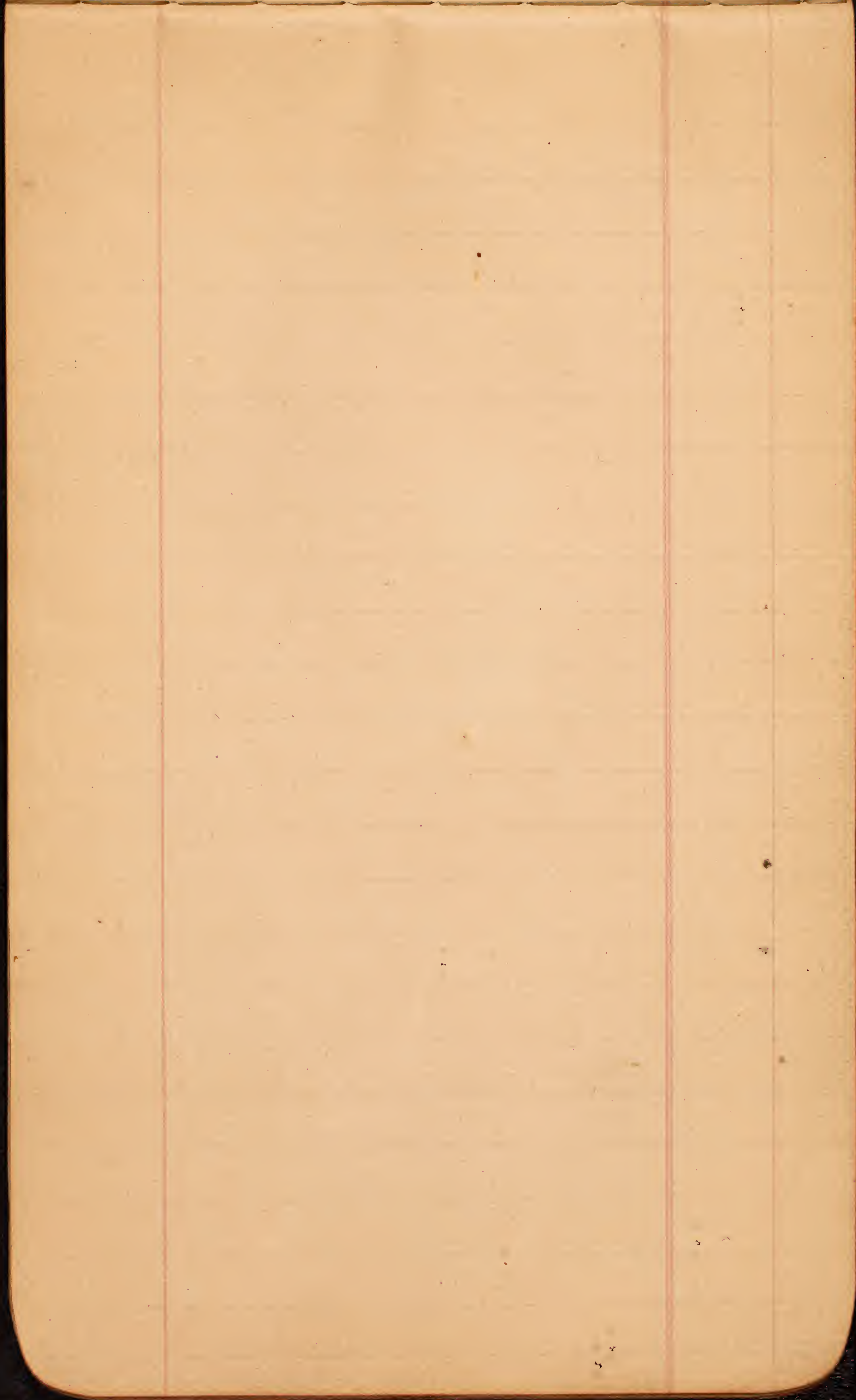
Fls. in axillary corymbs,

also a solitary peduncle from

same ovary capitata?

young green





5416.8

2106.7

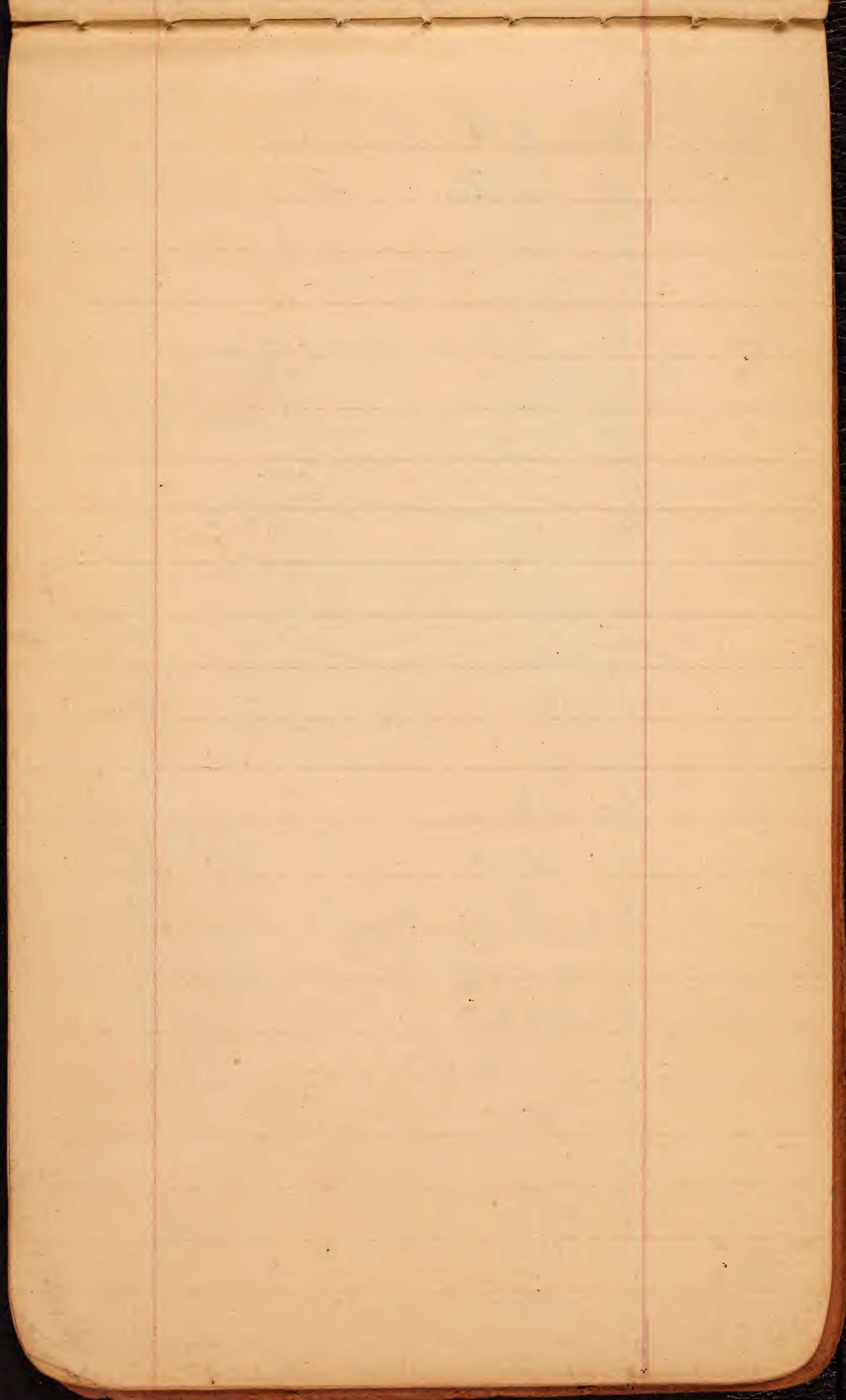
1382.7

582.4

270.0

126.0

$$\begin{array}{r} 9884.6 \\ \hline 81 \\ \hline 178 \\ 162 \\ \hline 164 \\ 162 \\ \hline 22 \end{array} \quad \begin{array}{r} 27 \\ \hline 356.1 \end{array}$$



A. = h. 8.0 ft.
w. 22.2 "
l. 30.5 "

234
269 1/2

5416.8

B. h. 8.7
w. 16.7
l. 14.5

S
2106.7

C. h. 3.7
w. 20.2
l. 18.5

1382.7 ft

D. h. 8.
w. 20.8
l. 13.5

582.4

E. h. 4.2
w. 28.0
l. 23.

270.

F. h. 1.8.
w. 14.0
l. ~~11.0~~ 5.0

126

$$\begin{array}{r}
 22.2 \\
 \underline{8} \\
 177.6 \\
 \underline{30\frac{1}{2}} \\
 53280 \\
 4888 \\
 \hline
 5416.8 \text{ ft.}
 \end{array}$$

$$\begin{array}{r}
 14 \\
 \cdot 1.8 \\
 \hline
 112 \\
 14 \\
 \hline
 25.2 \\
 5 \\
 \hline
 126.0
 \end{array}$$

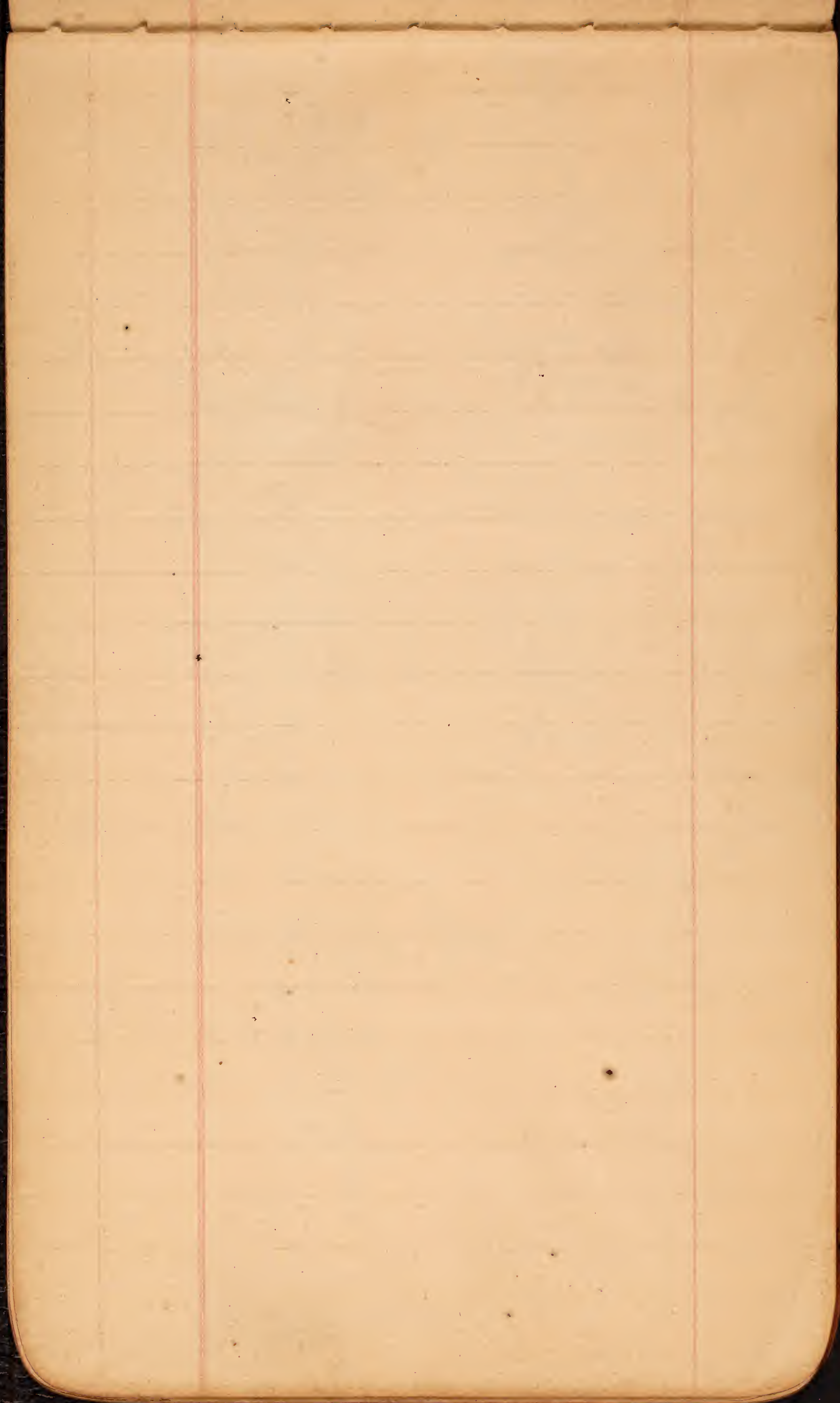
$$\begin{array}{r}
 14.7 \\
 \underline{8.7} \\
 1169 \\
 \underline{1336} \\
 145.29 \\
 14\frac{1}{2}
 \end{array}$$

$$\begin{array}{r}
 58116 \\
 14529 \\
 \underline{7264} \\
 210670
 \end{array}$$

$$\begin{array}{r}
 20.2 \\
 \underline{6.7} \\
 1414 \\
 \underline{606} \\
 74.74 \\
 18\frac{1}{2} \\
 \hline
 59792 \\
 7474 \\
 \underline{3737} \\
 138269
 \end{array}$$

$$\begin{array}{r}
 20.8 \\
 \underline{8} \\
 1664 \\
 13\frac{1}{2} \\
 \hline
 4992 \\
 832 \\
 \hline
 5824
 \end{array}$$

$$\begin{array}{r}
 28 \\
 \underline{4.2} \\
 56 \\
 112 \\
 \hline
 117.6 \\
 23 \\
 \hline
 239.6 \\
 269\frac{1}{2}
 \end{array}
 \quad 270.3$$



May 17th

An unfinished nest on small
elm just E. of bridge leading to "Hole farm"
S. West.

S, mid

Bridge

h. 9 ft.

h. 9 ft.

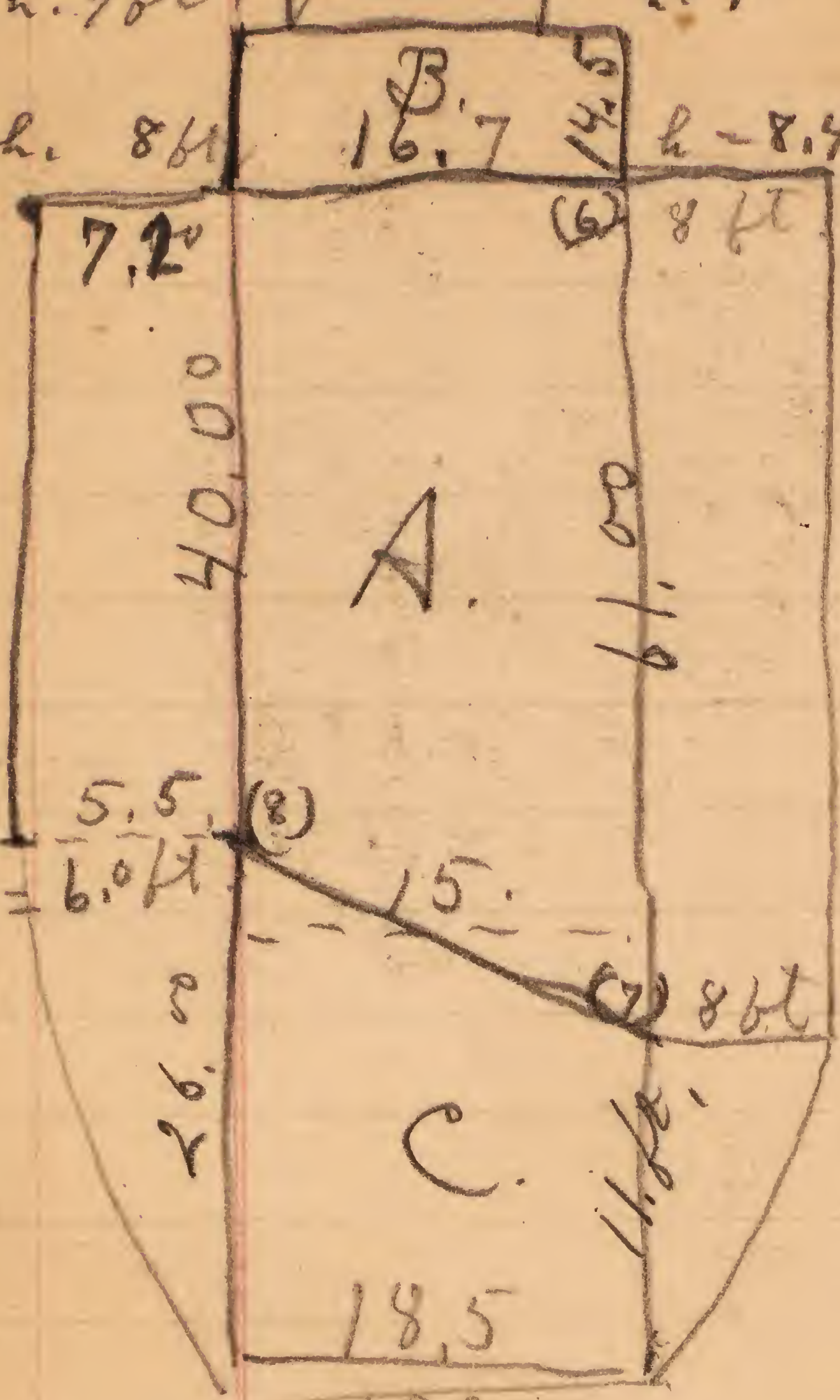
8.7,

h. 8 ft.

B. 16.7

h. 8.4 av.

width 22.6



7.2

(6) 8 ft

40.00

61.00

A.

5.5

(8)

h. = 6.0 ft

15

8
6
2

(7) 8 ft

av. width 24.8

h. = 8.5

6.1
14.6

C.

11 ft

18.5

15

8.5

7.1

15.6

7.8

13.5

15

28.5

15.2

7.6

15.2

22.6

13.6

6.8

15

21.8

18.5

40.3

Made

6

88

yds.

31.8
28.5
8.1
6.1

8
11.1
 5.1
 6.0

1
11.4
 4.1
 7.3

2
13.0
 4.6
 8.4

3
10.8
 4.6
 6.2

6
14.0
 5.6
 8.4

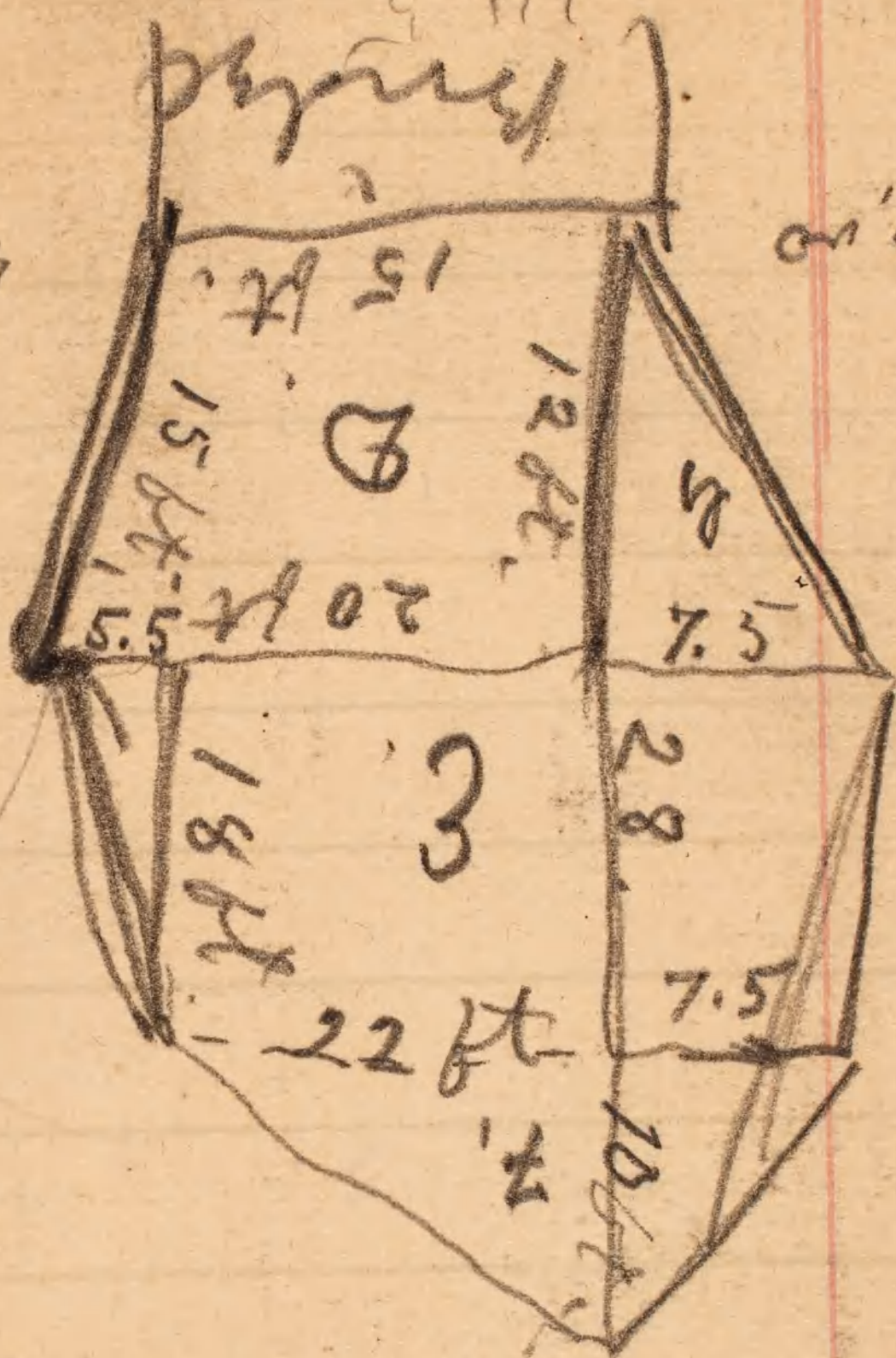
7
12.5
 4.0
 8.5

6.5
 8.5
 7.4
22.4
 5.6

26.5
29.5
 56.0

29.

1.
 k. 7.3.
 2.k. 8.4.



4 k = 8.5
 3 k = 6.2

8.6
4.7
 8.13

7.2

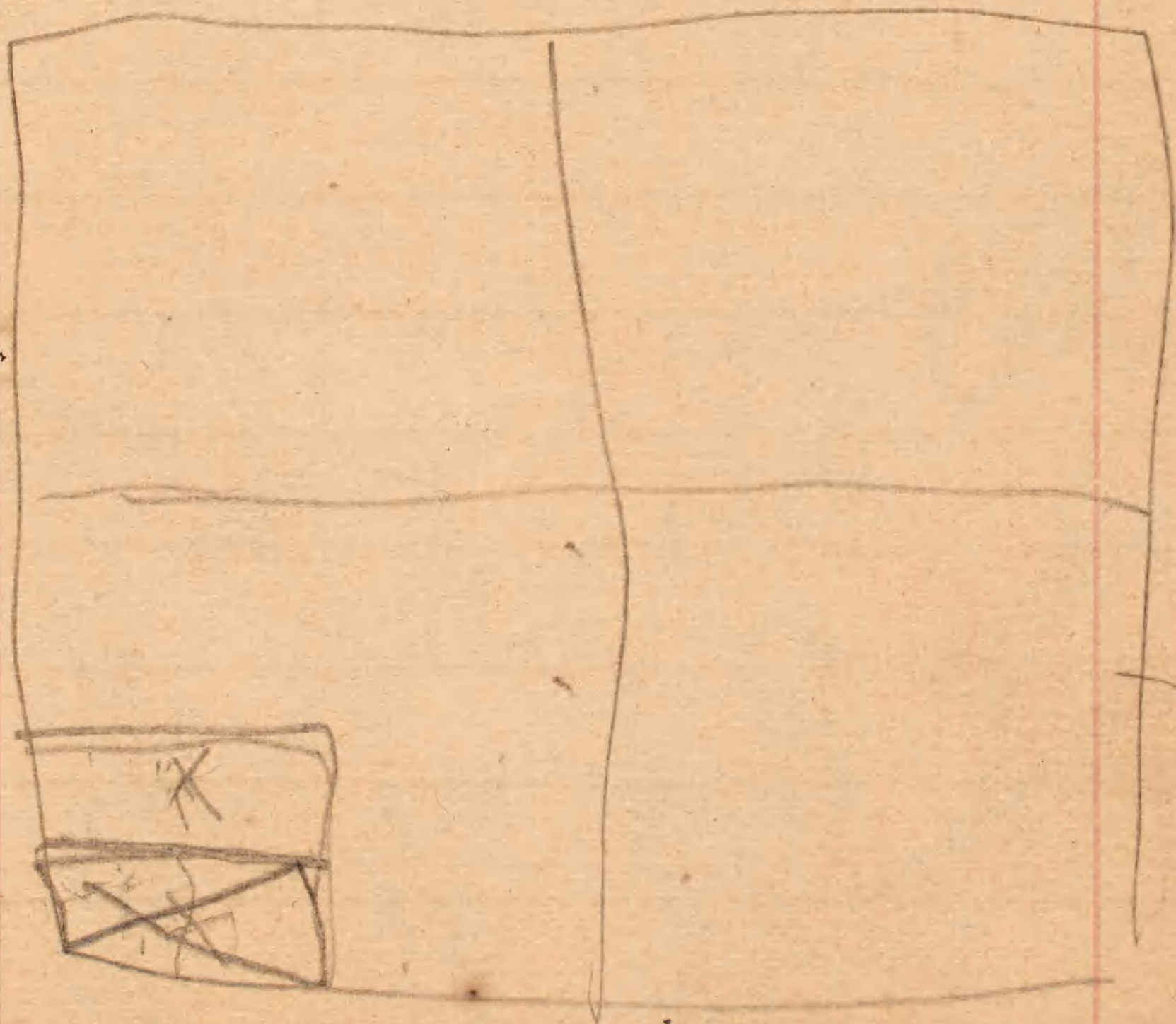
8.8
1.6
 71.6

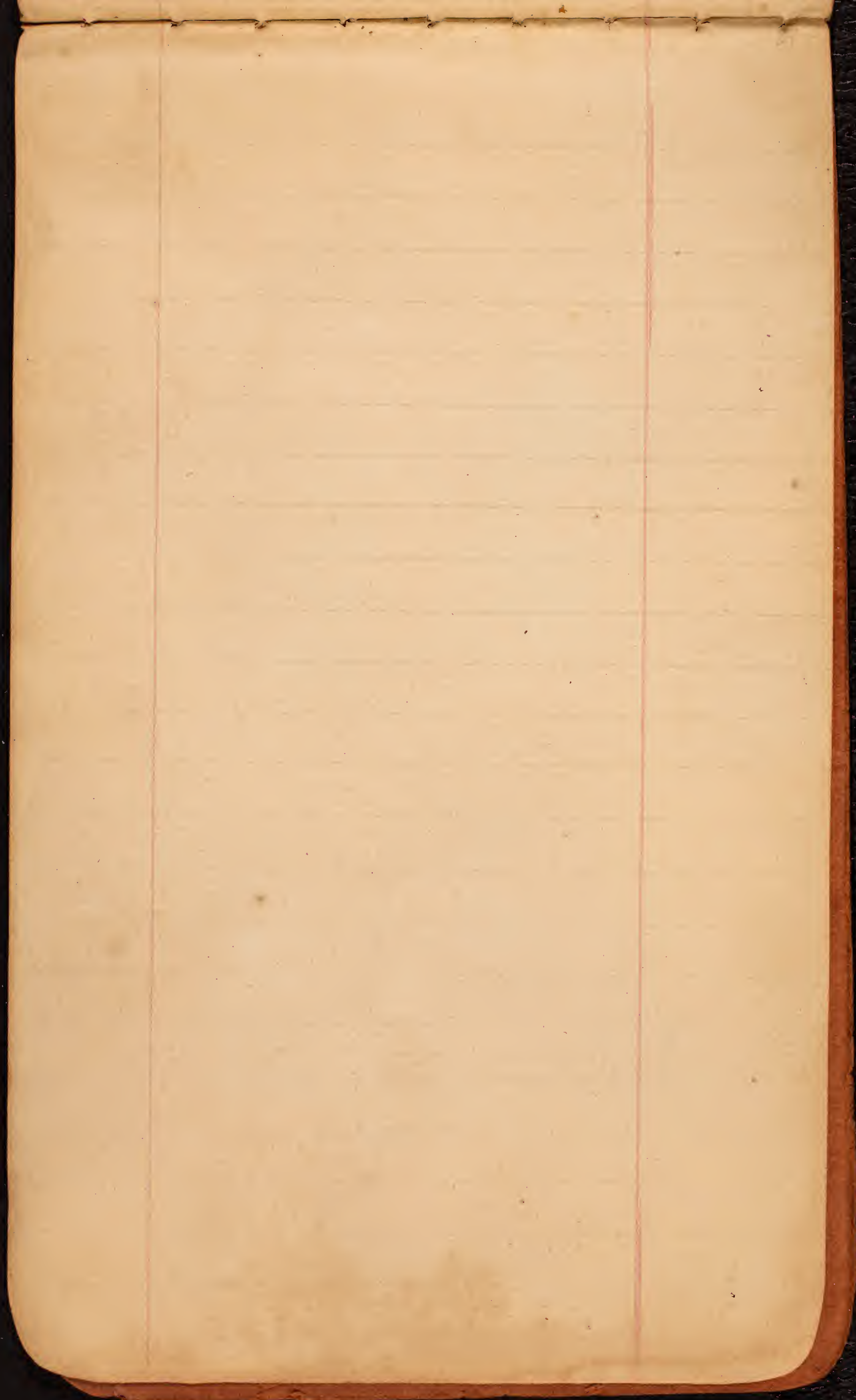
27.5
6.5
 33.0

16.0

14.5
19.0
 33.5

26.5
 1.5

[illegible]



on Bench 5-6

step 3-3-9

Wall 4-4-1

butler 2-4-5

49
420
463
123
098

103
240
343
103
240

320
103
423

420
43
463

49.5
420
469.5
463.0
6.5

420

406

James
to J. L. L.

243
243
988
87
046

323
103
220



